

Title (en)

TEMPERATURE CONTROL APPARATUS USING A VORTEX TUBE

Title (de)

TEMPERATURREGELUNGSVORRICHTUNG MIT EINEM WIRBELROHR

Title (fr)

APPAREIL DE RÉGULATION DE TEMPÉRATURE UTILISANT UN TUBE TOURBILLON

Publication

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Application

EP 15778458 A 20150924

Priority

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Abstract (en)

[origin: US2016084538A1] Example field instrument temperature apparatus and methods for affecting or regulating a temperature of a field instrument are disclosed. An example apparatus includes a vortex tube having an inlet to receive a fluid, a first outlet to dispense a first portion of the fluid at a first temperature and a second outlet to dispense a second portion of the fluid at a second temperature, the second temperature being greater than the first temperature. The example apparatus also includes a first passageway fluidly coupled to the first outlet to direct the first portion of the fluid to an electronic device in a process control system to affect a temperature of the device.

IPC 8 full level

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CPC (source: EP RU US)

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